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| FULL ESTIMATED COST | 90.92 | 91.13 |

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69 FILES SEARCHED...

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L1 QUE MST-1 (W) _INHIBITOR AND ADMINISTERING

=> d rank

F1 2 DGENE

F2 1 WPIDS

F3 1 WPINDEX

=> file dgene wpids wpindex

COST IN U.S. DOLLARS

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TOTAL

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FULL ESTIMATED COST

7.67

98.80

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L2 3 MST-1 (W) _INHIBITOR AND ADMINISTERING

=> index bioscience

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FULL ESTIMATED COST

5.15

103.95

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=> mst-1 (w) inhibitor and administering

23 FILES SEARCHED...

2 FILE DGENE

34 FILES SEARCHED...

40 FILES SEARCHED...

67 FILES SEARCHED...

1 FILE WPIDS

73 FILES SEARCHED...

0* FILE WPINDEX

2 FILES HAVE ONE OR MORE ANSWERS, 75 FILES SEARCHED IN STNINDEX

L3 QUE MST-1 (W) INHIBITOR AND ADMINISTERING

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FULL ESTIMATED COST

14.16

118.11

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=> mst-1 (w) inhibitor and administering

L4 3 MST-1 (W) INHIBITOR AND ADMINISTERING

=> d ab bib 1-4

L4 ANSWER 1 OF 3 DGENE COPYRIGHT 2005 The Thomson Corp on STN

AB The invention describes a method of treating or ameliorating cardiac disease or modulating cardiac myocyte apoptosis in a mammal comprises **administering** a compound or agent that blocks or otherwise inhibits mammalian sterile 20-like kinase-1(Mst1) or the Mst1 pathway. Also described are: a method for reducing cardiomyopathy in a mammal by administration of a **Mst-1 inhibitor**; a method for reducing the risk of cardiomyopathy or cardiac dysfunction in a mammal; a method of cardioprotection by **administering** an inhibitor of Mst1 is administered in conjunction with or following therapy with a compound or drug which is cardiotoxic; a method of screening for compounds which modulate cardiac myocyte apoptosis; a composition for modulating cardiac myocyte apoptosis comprising an Mst1 inhibitor; a pharmaceutical composition for treating or ameliorating cardiac disease in a mammal comprising one or more Mst1 inhibitor or a combination of one or more Mst1 inhibitor and one or more other compounds for treating cardiac disease or atherosclerosis, and a carrier; an assay system for screening of potential compounds or agents to modulate Mst1 activity of target mammalian cells by interrupting or potentiating the Mst1 or Mst1 pathway where the test compound or agent is administered to a cellular sample to determine its effect upon the kinase activity, cleavage status or phosphorylation status of Mst1, by comparison with a control; an assay system for screening compounds or agents for the ability to modulate the activity of Mst1; and an animal model of cardiac disease including cardiac myopathy comprising a transgenic animal where Mst1 expression or activity is enhanced. The method is useful for treating or ameliorating cardiac disease or modulating cardiac myocyte apoptosis, such diseases include congestive heart failure, cardiomyopathy, including ischemic and non-ischemic cardiomyopathy, coronary artery disease, arrhythmias, fibrosis of the heart, valve defects, atherosclerosis, and instances where facilitation of enhanced heart function or maintenance of cardiac myocytes is desired. The method is effective against cardiac disorders, may be used to protect against the side effects of cardiotoxic drugs and gives effective combination therapy when used with prior art cardiac drugs. This is the amino acid sequence of a human sterile 20-like kinase-1 (Mst-1) epitope used to raise an anti-Mst-1-antibody.

AN ADT08273 peptide DGENE
 TI Treating or ameliorating cardiac disease or modulating cardiac myocyte apoptosis in a mammal comprises **administering** a compound or agent that blocks or otherwise inhibits mammalian sterile 20-like kinase-1(Mst1) or the Mst1 pathway.
 IN Vatner S F; Sadoshima J
 PA (VATN-I) VATNER S F.
 (SADO-I) SADOSHIMA J.
 PI US 2004213794 A1 20041028 63
 AI US 2003-683576 20031010
 PRAI US 2002-418002P 20021011
 DT Patent
 LA English
 OS 2004-765576 [75]
 DESC Mammalian sterile 20-like kinase-1 (Mst1) epitope seqid 4.

L4 ANSWER 2 OF 3 DGENE COPYRIGHT 2005 The Thomson Corp on STN
 AB The invention describes a method of treating or ameliorating cardiac disease or modulating cardiac myocyte apoptosis in a mammal comprises **administering** a compound or agent that blocks or otherwise inhibits mammalian sterile 20-like kinase-1(Mst1) or the Mst1 pathway. Also described are: a method for reducing cardiomyopathy in a mammal by administration of a **Mst-1 inhibitor**; a method for reducing the risk of cardiomyopathy or cardiac dysfunction in a mammal; a method of cardioprotection by **administering** an inhibitor of Mst1 is administered in conjunction with or following therapy with a compound or drug which is cardiotoxic; a method of screening for compounds which modulate cardiac myocyte apoptosis; a composition for modulating cardiac myocyte apoptosis comprising an Mst1 inhibitor; a pharmaceutical composition for treating or ameliorating cardiac disease in a mammal comprising one or more Mst1 inhibitor or a combination of one or more Mst1 inhibitor and one or more other compounds for treating cardiac disease or atherosclerosis, and a carrier; an assay system for screening of potential compounds or agents to modulate Mst1 activity of target mammalian cells by interrupting or potentiating the Mst1 or Mst1 pathway where the test compound or agent is administered to a cellular sample to determine its effect upon the kinase activity, cleavage status or phosphorylation status of Mst1, by comparison with a control; an assay system for screening compounds or agents for the ability to modulate the activity of Mst1; and an animal model of cardiac disease including cardiac myopathy comprising a transgenic animal where Mst1 expression or activity is enhanced. The method is useful for treating or ameliorating cardiac disease or modulating cardiac myocyte apoptosis, such diseases include congestive heart failure, cardiomyopathy, including ischemic and non-ischemic cardiomyopathy, coronary artery disease, arrhythmias, fibrosis of the heart, valve defects, atherosclerosis, and instances where facilitation of enhanced heart function or maintenance of cardiac myocytes is desired. The method is effective against cardiac disorders, may be used to protect against the side effects of cardiotoxic drugs and gives effective combination therapy when used with prior art cardiac drugs. This sequence represents a polynucleotide associated with the method of the invention. Note: This sequence appears in the sequence listing but is not further described in the specification.

AN ADT08272 DNA DGENE
 TI Treating or ameliorating cardiac disease or modulating cardiac myocyte apoptosis in a mammal comprises **administering** a compound or agent that blocks or otherwise inhibits mammalian sterile 20-like kinase-1(Mst1) or the Mst1 pathway.
 IN Vatner S F; Sadoshima J
 PA (VATN-I) VATNER S F.
 (SADO-I) SADOSHIMA J.
 PI US 2004213794 A1 20041028 63

AI US 2003-683576 20031010
PRAI US 2002-418002P 20021011
DT Patent
LA English
OS 2004-765576 [75]
DESC Cardiac disease treatment associated human DNA seqid 2.

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AB US2004213794 A UPAB: 20041122

NOVELTY - Treating or ameliorating cardiac disease or modulating cardiac myocyte apoptosis in a mammal comprises **administering** a compound or agent that blocks or otherwise inhibits mammalian sterile 20-like kinase-1(Mst1) or the Mst1 pathway.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) a method for reducing cardiomyopathy in a mammal by administration of a **Mst-1 inhibitor**;

(2) a method for reducing the risk of cardiomyopathy or cardiac dysfunction in a mammal where the mammal has suffered a myocardial infarct or other coronary event where blood flow to the heart is reduced by **administering** an Mst1 inhibitor or Mst1 pathway inhibitor;

(3) a method of cardioprotection by **administering** an inhibitor of Mst1 is administered in conjunction with or following therapy with a compound or drug which is cardiotoxic;

(4) a method of screening for compounds which modulate cardiac myocyte apoptosis;

(5) a composition for modulating cardiac myocyte apoptosis comprising an Mst1 inhibitor;

(6) a pharmaceutical composition for treating or ameliorating cardiac disease in a mammal comprising one or more Mst1 inhibitor or a combination of one or more Mst1 inhibitor and one or more other compounds for treating cardiac disease or atherosclerosis, and a carrier;

(7) an assay system for screening of potential compounds or agents to modulate Mst1 activity of target mammalian cells by interrupting or potentiating the Mst1 or Mst1 pathway where the test compound or agent is administered to a cellular sample to determine its effect upon the kinase activity, cleavage status or phosphorylation status of Mst1, by comparison with a control;

(8) an assay system for screening compounds or agents for the ability to modulate the activity of Mst1; and

(9) an animal model of cardiac disease including cardiac myopathy comprising a transgenic animal where Mst1 expression or activity is enhanced.

ACTIVITY - Cardiovascular-Gen.; Cardiant; Vasotropic; Antiarrhythmic; Antiinflammatory; Antiarteriosclerotic.

No biological data given.

MECHANISM OF ACTION - Mst-Inhibitor-1.

USE - The method is useful for treating or ameliorating cardiac disease or modulating cardiac myocyte apoptosis, such diseases include congestive heart failure, cardiomyopathy, including ischemic and non-ischemic cardiomyopathy, coronary artery disease, arrhythmias, fibrosis of the heart, valve defects, atherosclerosis, and instances where facilitation of enhanced heart function or maintenance of cardiac myocytes is desired.

ADVANTAGE - The method is effective against cardiac disorders, may be used to protect against the side effects of cardiotoxic drugs and gives effective combination therapy when used with prior art cardiac drugs.

Dwg.0/23

AN 2004-765576 [75] WPIDS

DNC C2004-268360

TI Treating or ameliorating cardiac disease or modulating cardiac myocyte apoptosis in a mammal comprises **administering** a compound or agent that blocks or otherwise inhibits mammalian sterile 20-like

kinase-1(Mst1) or the Mst1 pathway.

DC B04 B05 D16

IN SADOSHIMA, J; VATNER, S F

PA (SADO-I) SADOSHIMA J; (VATN-I) VATNER S F

CYC 1

PI US 2004213794 A1 20041028 (200475)* 63

ADT US 2004213794 A1 Provisional US 2002-418002P 20021011, US 2003-683576
20031010

PRAI US 2002-418002P 20021011; US 2003-683576 20031010

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